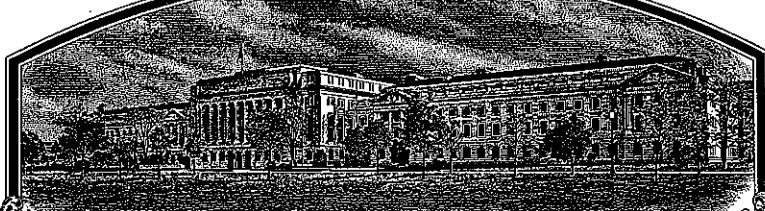


No.



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

J.R. Simplot Company

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HERETO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC DEPOSITMENT OF Viable BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE SAME TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR SPLITTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE PURPOSES, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

BLUEGRASS, KENTUCKY

'Awesome'

In Testimony Whereof, I have hereunto set my hand
and caused the seal of the Plant Variety
Protection Office to be affixed at the City of
Washington, D.C. this seventh day of April, in
the year two thousand and eight.

Attest:

Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

Secretary of Agriculture

U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE	
APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE <i>(Instructions and information collection burden statement on reverse)</i>	

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF OWNER J. R. Simplot Company <small>(ER: 1/22/08)</small>		2. TEMPORARY DESIGNATION OR EXPERIMENTAL NAME J-1420, 93-1420	3. VARIETY NAME Awesome
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country) W. 5300 Riverbend Ave. Post Falls, ID 83854		5. TELEPHONE (Include area code) 208-773-7581	6. FOR OFFICIAL USE ONLY PVPO NUMBER 200300009
7. IF THE OWNER NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION (corporation, partnership, association, etc.) Corporation		8. IF INCORPORATED, GIVE STATE OF INCORPORATION Nevada	9. DATE OF INCORPORATION June 28, 1955
10. NAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION. (First person listed will receive all papers) A. Douglas Brede W. 5300 Riverbend Ave. Post Falls, ID 83854		FILING AND EXAMINATION FEES: <small>FEES RECEIVED</small> \$2,705.00 DATE 10/15/2002 CERTIFICATION FEE: <small>FEES RECEIVED</small> \$768.00 DATE 3/11/2008	
11. TELEPHONE (Include area code) 208-773-7581	12. FAX (Include area code) 208-773-4846	13. E-MAIL dbrede@simplot.com	14. CROP KIND (Common Name) Kentucky bluegrass
15. GENUS AND SPECIES NAME OF CROP Poa pratensis		16. FAMILY NAME (Botanical) Gramineae	17. IS THE VARIETY A FIRST GENERATION HYBRID? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
18. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow instructions on reverse)		19. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE SOLD AS A CLASS OF CERTIFIED SEED? See Section 83(a) of the Plant Variety Protection Act <input type="checkbox"/> YES (If "yes", answer items 20 and 21 below) <input checked="" type="checkbox"/> NO (If "no", go to item 22)	
a. <input checked="" type="checkbox"/> Exhibit A. Origin and Breeding History of the Variety b. <input checked="" type="checkbox"/> Exhibit B. Statement of Distinctness c. <input checked="" type="checkbox"/> Exhibit C. Objective Description of Variety d. <input checked="" type="checkbox"/> Exhibit D. Additional Description of the Variety (Optional) e. <input checked="" type="checkbox"/> Exhibit E. Statement of the Basis of the Owner's Ownership f. <input checked="" type="checkbox"/> Voucher Sample (2,500 viable untreated seeds or, for tuber propagated varieties, verification that tissue culture will be deposited and maintained in an approved public repository) g. <input checked="" type="checkbox"/> Filing and Examination Fee (\$2,705), made payable to "Treasurer of the United States" (Mail to the Plant Variety Protection Office)		20. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF CLASSES? <input type="checkbox"/> YES <input type="checkbox"/> NO IF YES, WHICH CLASSES? <input type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input type="checkbox"/> CERTIFIED	
		21. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS? <input type="checkbox"/> YES <input type="checkbox"/> NO IF YES, SPECIFY THE <input type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input type="checkbox"/> CERTIFIED NUMBER 1,2,3, etc. <small>(If additional explanation is necessary, please use the space indicated on the reverse.)</small>	
22. HAS THE VARIETY (INCLUDING ANY HARVESTED MATERIAL) OR A HYBRID PRODUCED FROM THIS VARIETY BEEN SOLD, DISPOSED OF, TRANSFERRED, OR USED IN THE U. S. OR OTHER COUNTRIES? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		23. IS THE VARIETY OR ANY COMPONENT OF THE VARIETY PROTECTED BY INTELLECTUAL PROPERTY RIGHT (PLANT BREEDER'S RIGHT OR PATENT)? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <small>IF YES, PLEASE GIVE COUNTRY, DATE OF FILING OR ISSUANCE AND ASSIGNED REFERENCE NUMBER. (Please use space indicated on reverse.)</small>	
24. The owners declare that a viable sample of basic seed of the variety will be furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate. The undersigned owner(s) is(are) the owner of this sexually reproduced or tuber propagated plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 42, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act. Owner(s) is(are) informed that false representation herein can jeopardize protection and result in penalties.			

SIGNATURE OF OWNER 	SIGNATURE OF OWNER
NAME (Please print or type) A. Douglas Brede	NAME (Please print or type)
CAPACITY OR TITLE Research Director	DATE 5 Oct 02

200300009

Exhibit 16A

Origin and Breeding History Awesome Kentucky Bluegrass

'Awesome' Kentucky bluegrass originated as a highly apomictic, single-plant selection from hybrid cross number 89-1037, made in the field in July, 1989. Pollen from the variety 'Midnight' Kentucky bluegrass was used to pollinate plants of 'Limousine.' Seed harvested from the Limousine mother plants was individually sown into cells of greenhouse flats during the spring of 1992. The resulting plants were grown in a spaced-plant field nursery of 40,701 plants in May. Offspring with characteristics dissimilar to Limousine, the female parent, were flagged during maturation in spring of 1993. Plant number 93-1420 (the experimental designation for Awesome) was identified as being different from Limousine by its seedhead characteristics. It produced 19.9 grams of seed from a single spaced plant, which is slightly more than typical for a bluegrass spaced plant in North Idaho.

Seed harvested from experimental 93-1420 was tested in Jacklin turf quality trials in Idaho in 1993. It was tested in Ohio in 1999, New Jersey in 1997, Maryland in 1994, and in national (NTEP) trials in 2000. It was evaluated in Idaho at both 1½ inch and ½ inch mowing, and in Maryland at 2 inch and 3/8 inch mowing. Its seed yielding ability was evaluated in a replicated yield trial in Post Falls in 1996 and in a small production block near Connell, WA, seeded in 1998. Awesome was selected for release based on a combination of its US East Coast turf performance, combined with reliable seed yield in the Pacific Northwest. First breeder seed was produced in 1998 and first certified seed in 2001, although none was sold until release in Fall 2002.

Progeny trials were conducted in spaced-plant nurseries, established May 1998, to determine the level of apomixis. Of 1358 J-1420 plants, 3.3% were variants in the vegetative (pre-heading) stage, 0% were heading maturity variants, 0% seedhead variants, 1.3% miniature plants, and 0.3% were headless plants. J-1420 averaged 95% apomictic, with a 95% confidence interval from 93 to 98%. However in commercial seed production, apomixis will typically vary from 90 to 99% depending upon weather, location, and year.

Awesome Kentucky bluegrass is a stable and uniform variety. Over seven years of commercial seed production, from Breeders through Certified seed, all seedlots evaluated have produced turf of comparable quality and acceptable uniformity. Aberrant or variant progeny described have been observed to be uniform and stable from generation to generation, and are routinely rogued from breeders, foundation, and registered fields to insure continued uniformity and stability, but they will continue to occur in every generation.

200300009

Exhibit 16 B

Statement of Distinctness
Awesome Kentucky Bluegrass

‘Awesome’ is a dense, dark green, medium strawed Kentucky bluegrass. Awesome can be distinguished from all other varieties by the combination of spaced-plant, seed, and turf characteristics described in Tables 1 through 7. Awesome most closely resembles ‘Perfection’ Kentucky bluegrass but differs from it in the following characters:

1. Awesome has a significantly shorter second subtending leaf length than Perfection (9.03 cm for Awesome vs. 9.98 cm for Perfection in 1999, significant at 0.01 level; 7.48 cm for Awesome vs. 8.02 cm for Perfection in 2000, significant at 0.05 level) (Table 3).
2. Awesome has a significantly shorter internode length than Perfection, measured at the lowest internode in the panicle (1.96 cm for Awesome vs. 2.21 cm for Perfection in 1999, significant at 0.001 level; 1.54 cm for Awesome vs. 1.66 cm for Perfection in 2000, significant at 0.01 level) (Table 4).
3. Leaf margin sheath surface area of Awesome is rough, whereas the leaf margin sheath of Perfection is smooth.
4. Panicle branches of Awesome have a drooping attitude, whereas panicle branches of Perfection are horizontal.

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
PLANT VARIETY PROTECTION OFFICE
BELTSVILLE, MARYLAND 20705
OBJECTIVE DESCRIPTION OF VARIETY
BLUEGRASS (*Poa* spp)

Exhibit 16C
(Bluegrass)

NAME OF APPLICANT(S) <u>J.R. Simplot Company test 1/22/08</u>	VARIETY NAME OR TEMPORARY DESIGNATION Awesome
ADDRESS (Street and no., or R.F.D. No., City State and ZIP Code) W. 5300 Riverbend Ave. Post Falls, Idaho 83854	FOR OFFICIAL USE ONLY PVPO NUMBER 200300009

Place the appropriate number that describes the Varietal character of this variety in the boxes below. Use leading zeros when necessary (e.g., 089 or 09). Characteristics described including numerical measurements, should represent those that are typical for the variety. Measured data should be for SPACED PLANTS. Royal Horticultural Society or any recognized color fan may be used to determine plant colors; designate system used; 1-9 rating scale, where mentioned. Describe location of test area, conditions and number of plants used: Rathdrum, ID, 20-60 plants/cultivar x 3 reps: The symbol "▲" indicates decimal. Location of the test area: Farm near Rathdrum, Idaho

1. SPECIES: (With comparison varieties for use below - use varieties within species of application variety)

<input checked="" type="checkbox"/> 2	1= <i>Poa compressa</i>	2= <i>P. pratensis</i>	3= <i>P. trivialis</i>	4= Other (specify) _____
<input type="checkbox"/>	Chromosome Number			

2. ADAPTATION: (0= Not tested; 1= Not Adapted; 2= Adapted)

<input checked="" type="checkbox"/> 2	Northeast	<input checked="" type="checkbox"/> 2	Transitional zone	<input checked="" type="checkbox"/> 1	Southeast	<input checked="" type="checkbox"/> 2	North Central
<input checked="" type="checkbox"/> 2	Pacific N.W.	<input checked="" type="checkbox"/> 2	Intermountain	<input checked="" type="checkbox"/> 2	Southwest (CA.,AZ.)	<input type="checkbox"/>	Other (specify) _____

3. Maturity: (At first anthesis): Give test area Rathdrum, ID

★ 6 Maturity Class:

1= Very Early 2 = Early (Delta, Mystic) 3= Medium Early (Fylking, Nugget)
4= Medium Late (Newport, Adelphi, Aquila) 5 = Late (Merion, Baron, Enmundi) 6 = Very Late(Pacific)

June 4 Date of First Anthesis

<input type="checkbox"/>	Number of days earlier than	<input checked="" type="checkbox"/> ★	<input type="checkbox"/>	1=Nugget	2=Fylking	3=Delta	10=Beyond
Maturity same as	<input checked="" type="checkbox"/> ★	<input checked="" type="checkbox"/> 10	4=Merion	5=Newport	6=Baron	11=Touchdown	
<input type="checkbox"/>	6	<input checked="" type="checkbox"/> ★	<input checked="" type="checkbox"/> 6	7=Mystic	8=Sabre	9=Reubens	12=Perfection

4. PLANT HEIGHT: (At maturity; Average of longest shoot of 10 plants from soil surface to top of panicle) Test area Rathdrum, Idaho

★ 3

1= Short (Nugget) 2 = Medium short (Baron, Fylking, Mystic)
3= Medium Tall (Merion, Adelphi) 4= Tall (Delta) 5 = Very Tall

★ 5 1 ▲ 3 cm Height

<input type="checkbox"/>	9 ▲ 5	<input checked="" type="checkbox"/> ★	<input checked="" type="checkbox"/> 11	1=Nugget	2=Fylking	3=Delta	10 ~ Beyond
Height same as	<input checked="" type="checkbox"/> ★	<input checked="" type="checkbox"/> 10	4=Merion	5=Newport	6=Baron	11=Touchdown	
<input type="checkbox"/>	1 ▲ 3	<input checked="" type="checkbox"/> ★	<input checked="" type="checkbox"/> 6	7=Mystic	8=Sabre	9=Reubens	12=Perfection

5. GROWTH HABIT:

★ 2 3 = Prostrate (Nugget) 2 = Semi-prostrate (Merion) 1 = Erect (Delta)

2 6 cm Amount of spread by rhizomes in 1 year (give test area Rathdrum, Idaho.)

6. LEAF BLADE:

★ <input type="checkbox"/> 4	Green Color	1 = Light Green (Mystic)	2 = Medium Green (Fylking, Bonnieblue)
		3 = Moderately dk. green (Merion, Adelphi)	4 = Very dk. green (Nugget, Glade, Énmundi)
★ <input type="checkbox"/> 4	Bluegreen Color	1 = Not bluegreen (Mystic, Touchdown, Parade)	2 = Moderately bluegreen (Merion, A-34)
		3 = Bluegreen (Nugget, Énmundi, Adelphi)	4 = Strongly bluegreen (Majestic)
<input type="checkbox"/> 1	Winter color	1 = Light green	2 = Dark green
		4 = Dark purple	3 = Light purple
			5 = Not purple
			6 = Not green or purple

★ <input type="checkbox"/> 1	Hairs upper side:	1 = Absent (Nugget)	2 = Sparse (Merion)	3 = Dense (Park)
<input type="checkbox"/> 1	Hairs lower side:	1 = Absent (Fylking, Merion)	2 = Sparse	3 = Dense (Nugget)
<input type="checkbox"/> 2	Luster upper side:	1 = Shiny (Eclipse, Énmundi)	2 = Dull (Aquila, Parade)	
<input type="checkbox"/> 1	Luster lower side:	1 = Shiny (Mystic, Énmundi)	2 = Dull (Barvie, Eclipse)	
★ <input type="checkbox"/> 1	Margin hairs (Fringe on Margin or Base):	1 = Absent (Delta)	2 = Present (Fylking, Merion)	
★ <input type="checkbox"/> 2	Width	1 = Very fine (Mystic)	2 = Fine (Nugget)	3 = Medium (Merion, Fylking)
		4 = Broad (Adelphi, Baron)	5 = Very broad (Monopoly)	

3 ▲ 1 □ 8 mm Width (flag leaf)

0 ▲ 6 □ 7 mm Narrower than

★ <input type="checkbox"/> 11	1=Nugget	2=Fylking	3=Delta	10=Beyond
★ <input type="checkbox"/> 1	4=Merion	5=Newport	6=Baron	11=Touchdown
★ <input type="checkbox"/>	7=Mystic	8=Sabre	9=Reubens	12=Perfection

Width same as

★ <input type="checkbox"/> 13	1=Nugget	2=Fylking	3=Delta	13=Liberator
-------------------------------	----------	-----------	---------	--------------

▲ □ mm Wider than

★ <input type="checkbox"/> 6	4=Merion	5=Newport	6=Baron	
------------------------------	----------	-----------	---------	--

5 □ 2 ▲ 2 mm Length (flag leaf)

★ <input type="checkbox"/> 1	7=Mystic	8=Sabre	9=Reubens	
------------------------------	----------	---------	-----------	--

0 □ ▲ 8 □ 4 mm Shorter than

★ <input type="checkbox"/> 1	1 = Appressed	2 = Open angle, yet stiff	3 = Nodding	
------------------------------	---------------	---------------------------	-------------	--

Length same as

★ <input type="checkbox"/>				
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1 □ 7 ▲ 3 mm Longer than
Position of flag leaf (angle to stem):

★ <input type="checkbox"/>				
----------------------------	--	--	--	--

7. LEAF SHEATH:

1	0	7	mm sheath length	
★			Seedling Color (base of sheath):	1 = Green (Nugget, Merion) 2 = Red (Delta)
★	1		Hairs on Margin:	1 = Absent (Fylking) 2 = Present (Nugget)
★	1		Margin Roughness (to touch):	1 = Smooth (Delta) 2 = Rough (Sabre)
1			Hairs on Surface	1 = Absent 2 = Present (Nugget)
2			Surface Roughness (to touch):	1 = Smooth (Fylking) 2 = Rough (Ram I)
1			Hairs on both sides just beneath leaf blade (Under collar):	1 = Absent (Merion) 2 = Present (Nugget)
★	1		Hairs on Ligule:	1 = Absent (Fylking) 2 = Short (Baron) 3 = Long (Nugget)
1			Glaucosity:	1 = Absent (Mystic, Énmundi) 2 = Present (Birk)
2			Keel:	1 = Absent (Ram I) 2 = Present (Adelphi)

JK 10/11

10/11

8 PANICLE (Mature plant):

200300009

8	5	2
---	---	---

mm Length (Lowest whorl to top, for 10 plants) Test area:

3	7	1
---	---	---

mm Shorter than

☆

11

 1=Nugget 2=Fylking

3=Delta

10=Beyond

Panicle length same as

☆

13

 4=Merion 5=Newport

6=Baron

11=Touchdown

1	5	9
---	---	---

mm Longer than

☆

1

 7=Mystic 8=Sabre

9=Reubens

12=Perfection

☆

2

☆

1

☆

1

☆

1

Color (at 50% flowering):

1 = Not red (Fylking) 2 = Red (Nugget)

Shape of Rachis (Opposite lower side of branches):

1 = No bend (Nugget) 2 = Bend (Merion)

Collar:

1 = Opened (Nugget) 2 = Closed (Merion)

Branches Attitude (Lowest whorl):

1 = Drooping (America, Prato) 2 = Horizontal (Merion) 3 = Ascending (Tundra)

4	0	2
---	---	---

☆	1
---	---

☆	1
---	---

☆	1
---	---

1

Number of main branches in lowest whorl

1 = Nodding (Newport) 2 = Upright (Nugget)

Panicle Habit:

1 = Open 2 = Intermediate 3 = Compact

Panicle Type:

1 = Purple 2 = Yellow 3 = Brown

Anther color (anthesis)

☆

1

☆

1

☆

1

☆

1

Keel

1 = Galbrous 2 = Slightly pubescent

3 = pubescent

Marginal Nerves

1 = Distinct 2 = Obscure

Intermediate Nerves

1 = Absent 2 = Scant (Baron)

3 = Copious (Merion)

Basal Webbing

10. SEED (Floret-not hulled):

☆

2

 Apomixis Percentage
☆

--

 Phenol Reaction

1 = more than 95

2 = 85 to 95

3 = less than 85

1 = none-lemma removed (Merion)

2 = Beige (Cougar)

3 = Brown

4 = Black (Mystic 2 hours)

5 = Black (24 hours)

(Windsor)

0	7	3
---	---	---

mm. Width (average of 10)

3 ▲ 1 0 mm. Length

4	2	0	0
---	---	---	---

Milligrams per 10,000 seed

8	0	0
---	---	---

Milligrams less than

☆

1

 1=Nugget 2=Fylking 3=Delta

10=Beyond 13=Liberator

Weight same as

☆

10

 4=Merion 5=Newport 6=Baron

11=Touchdown

6	0	0
---	---	---

Milligrams more than

☆

13

 7=Reubens 8=Sabre 9=Reubens

12=Perfection

☆

3

Weight Class (g per 10,000 seed):

1 = Light (< 3g Sydsport, Merion)

2 = Medium (3g - 4 g Adelphi, Parade)

3 = Heavy (> 4g Fylking, Nugget)

11. ENVIRONMENTAL RESISTANCE: (0=Not Tested; 1 = Very Susceptible; 2= Moderately susceptible; 3= Moderately resistant; 4 = Highly resistant):

2 Cool Temperature (Winter color)
2 Shade
0 Salinity

3 Cold (injury)
3 Low Fertility
0 Soil Compaction

3 Heat
0 Acid Soil (<pH 5.5)
0 Poor Drainage

3 Drought
0 Alkalinity (pH > 7.5)
0 Air Pollution
Other (specify) _____

12. DISEASE RESISTANCE: (0=Not Tested; 1 = Very Susceptible; 2= Moderately susceptible; 3= Moderately resistant; 4 = Highly resistant):

4	Melting-out <i>Drechslera poa</i> (<i>Helminthosporium vagans</i>)	0	Scerotina Patch <i>S. borealis</i>
4	Helminthosporium Leaf spot <i>Bipolaris sorokiniana</i>	2	Stem rust <i>Puccinia graminis</i>
3	Brown patch <i>Rhizoctonia solani</i>	0	Stripe Rust <i>P. stiformis</i>
2	Powdery mildew <i>Erysiphe graminis</i>	2	Leaf Rust <i>P. poa-nemoralis</i>
4	Stripe smut <i>Ustilago striiformis</i>	0	Orange Stripe Rust <i>P. poarum</i>
0	Flag Smut <i>Urocystis agropyri</i>	0	Pythium Blight <i>Pythium</i> spp..
2	Pink Snow Mold <i>Fusarium nivale</i>	0	Red thread <i>Corticium fusciforme</i>
3	Ergot <i>Claviceps purpurea</i>		Other: _____
★ 4	Fusarium blight <i>F. tricinctum</i> , <i>F. roseum</i>		Other: _____
3	Typhula Blight <i>Typhula</i> spp.		
3	Dollar spot <i>Sclerotinia homoeocarpa</i>		

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13. INSECTS, NEMATODES, RESISTANCE: (0=Not Tested; 1 = Very Susceptible; 2= Moderately susceptible; 3= Moderately resistant; 4 = Highly resistant):

0	Chinch Bug <i>Blissus</i> spp. (give species: _____)
0	Sod Webworm <i>Crambus</i> spp. (give species: _____)
0	Bluegrass Billbug <i>Sphenophorus parvulus</i> (give species: _____ Manhattan, Kansas site.)
0	White Grub (Japanese Beetle, Chafers. (give species: _____))
0	Greenbug Aphid <i>Schizaphis graminum</i>
	Other: _____
	Other: _____

14. GIVE VARIETY OR VARIETIES THAT MOST CLOSELY RESEMBLE THE APPLICATION VARIETY, For the following characteristics indicate Degree of Resemblance by placing the column marked, D.R., one of the following numbers:

1 = Application variety is less than comparison variety. 2 = Same As 3 = More than, better, greater, darker, more disease resistant, etc.

CHARACTER	VARIETY	D.R.	CHARACTER	VARIETY	D.R.
Maturity-heading	Perfection	2	Leaf width	Perfection	2
Height	Beyond	2	Leaf color spring	Perfection	2
Seed size	Perfection	2	Leaf color summer	Perfection	2
Seed weight	Perfection	2	Leaf color winter	Perfection	2
Cold injury	Perfection	2	Drought	Perfection	2
Heat	Perfection	2	Disease	Perfection	2
Shade	Perfection	2	(Leaf spot)		

★ ★ Specify each disease evaluated.

15. ADDITIONAL DESCRIPTION:

Describe all character

02/03/2003

02/03/2003

Exhibit 16D**Additional Description of the Variety**
Awesome Kentucky Bluegrass

'Awesome' is a very dark green variety with a slightly earlier heading and flowering maturity than 'Award' and 'NuGlade.' In seed production fields, Awesome is slightly taller than NuGlade and not quite as uniform in appearance. Culm length at maturity in Post Falls, ID, averages 52 cm and panicle length, 8.5 cm. Culm length exhibits some plant-to-plant variation throughout the field due to the underlying soil conditions. In poorer soil the plants appear smaller and the culm length shorter. Culms are smooth to the touch and the flag leaf is slightly rough when felt against the grain. Overall shape of a spaced plant is rather "ball shaped," meaning that the lateral leaves and panicles give the plant a roundish appearance. Leaf color is a medium dark green with predominantly green culms with very little yellow color to the culms. Panicle color is a mixture of medium green and light purple at anthesis. Rhizome extension after one year averages 26 cm in diameter.

Awesome is highly apomictic with only a small proportion of variants. Most of the variants appear during the pre-heading and heading stages. There are a number of miniature variant plants (1.3%) which will not show up in seed production due to the masking effect of bulk populations. Approximately 1% of Awesome plants are a taller-growing variant with lighter green leaves and an earlier maturity. Some of these variants can reach a 70-cm culm length during anthesis.

Apomixis averages 95%, but varies from 90% to 99% and above, depending on growing conditions. Aberrant progeny are rogued from Breeders, Foundation, and Registered fields to insure continued uniformity and stability, but they will continue to occur in every generation.

Awesome is a versatile Kentucky bluegrass variety, with applications on golf courses, sod farms, sports fields, home lawns, roadsides, cemeteries, and other turf areas, where bluegrass is well adapted. Awesome is tolerant of close mowing, down to $\frac{1}{2}$ inch with good management. Awesome performs well in full sun or partial shade.

Table 1. Morphological characteristics of Kentucky bluegrass (*Poa pratensis* L.) cultivars at reproductive maturity, near Rathdrum, ID, in 1999 and 2000. Missing values indicate varieties not tested in a given year.

Variety	Culm length (cm)			Sheath length (cm)			Panicle length (cm)		
	1999 prob.	2000 prob.	1999 prob.	2000 prob.	1999 prob.	2000 prob.	1999 prob.	2000 prob.	1999 prob.
Awesome	51.3	57.2	10.7	8.9	8.52	8.91			
Perfection	66.7	0.000	53.9	0.000	12.0	0.000	8.9	0.825	9.67
Barrister	49.6	0.055	52.9	0.000	10.3	0.153	9.7	0.001	8.06
Tsunami	50.9	0.693	55.3	0.004	10.9	0.410	9.3	0.111	8.90
Nu Destiny	56.7	0.000	56.1	0.088	13.0	0.000	10.8	0.000	10.15
Beyond	48.6	0.002	56.3	0.164	10.2	0.043	8.4	0.034	8.30
Absolute	61.9	0.000	58.6	0.033	11.6	0.000	11.2	0.000	8.30
Arcadia	48.6	0.003	51.9	0.000	10.7	0.940	8.6	0.164	9.12
Award	58.3	0.000	55.8	0.032	10.8	0.708	9.1	0.477	9.02
Baron	40.0	0.000	43.6	0.000	11.8	0.000	9.4	0.115	9.20
Blacksburg	53.6	0.010	50.9	0.000	10.5	0.610	8.8	0.609	8.42
Bluemoon	46.4	0.000	52.7	0.000	11.0	0.144	8.6	0.140	9.02
Chicago 2			46.4	0.000			6.9	0.000	6.89
Freedom 2	53.2	0.030	46.8	0.000	9.3	0.000	7.9	0.000	8.02
Glade	43.9	0.000	53.9	0.000	11.3	0.019	10.3	0.000	9.12
Impact	45.9	0.000	51.0	0.000	10.2	0.039	8.8	0.743	8.30
Liberator	46.0	0.000	52.6	0.000	10.9	0.348	9.0	0.709	8.83
Limousine	47.2	0.000	45.7	0.000	9.8	0.000	7.8	0.000	7.55
Midnight	54.3	0.001	60.8	0.000	10.4	0.284	8.4	0.018	8.17
Nugget	40.5	0.000	44.8	0.000	8.9	0.000	8.7	0.525	6.93
NuGlade	53.9	0.004	52.8	0.000	11.2	0.042	9.8	0.000	9.29
Odyssey	44.6	0.000	56.7	0.480	10.9	0.467	11.8	0.000	9.23
Quantum Leap	60.0	0.000	51.2	0.000	10.8	0.518	9.3	0.093	8.93
Rambo	46.8	0.000	52.9	0.000	10.0	0.011	8.4	0.033	8.21
Rugby II	45.8	0.000	54.8	0.000	9.8	0.000	9.2	0.245	8.22
Total Eclipse	48.0	0.000	53.9	0.000	9.5	0.000	8.8	0.546	7.59
Touchdown	60.8	0.000	66.1	0.000	16.5	0.000	14.3	0.000	12.23

*Prob. = Probability that the variety mean is not significantly different from the variety listed at the top of the table. For example, a value of 0.050 or less would indicate significance at the 5% level of probability. Data were analyzed with ANOVA and means were separated with LSD using pair-wise comparisons, based on individual degrees of freedom.

Table 2. Morphological characteristics of Kentucky bluegrass (*Poa pratensis* L.) cultivars at reproductive maturity, near Rathdrum, ID, in 1999 and 2000.
Missing values indicate varieties not tested in a given year.

Variety	Flagleaf length (cm)			Flagleaf width (mm)			Flagleaf length-to-width ratio (cm cm ⁻¹)		
	1999 prob.	2000 prob.	1999 prob.	2000 prob.	1999 prob.	2000 prob.	1999 prob.	2000 prob.	
Awesome	5.22		3.60		3.18		1.87		16.8
Perfection	5.63	0.137	4.83	0.000	3.69	0.001	1.91	0.557	15.4
Barrister	4.33	0.001	3.81	0.251	3.48	0.046	2.45	0.000	13.1
Tsunami	5.18	0.870	4.04	0.014	4.47	0.000	2.61	0.000	12.5
Nu Destiny	5.90	0.014	4.04	0.014	3.71	0.001	2.58	0.000	16.2
Beyond	4.76	0.089	4.25	0.000	3.09	0.558	2.14	0.000	15.6
Absolute	5.27	0.860	3.88	0.121	4.39	0.000	3.00	0.000	12.3
Arcadia	5.59	0.177	3.81	0.253	3.56	0.014	2.51	0.000	18.3
Award	5.38	0.572	4.05	0.013	3.43	0.106	2.15	0.000	16.2
Baron	4.63	0.032	3.28	0.146	3.71	0.001	3.38	0.000	14.2
Blacksburg	5.18	0.860	3.45	0.499	4.20	0.000	2.97	0.000	12.5
Bluemoon	5.32	0.738	3.95	0.057	3.39	0.159	1.58	0.000	16.1
Chicago 2			3.24	0.046			1.76	0.176	1.76
Freedom 2	4.28	0.001	3.05	0.002	3.19	0.948	2.58	0.000	14.4
Glade	4.56	0.016	4.08	0.032	3.38	0.179	2.42	0.000	13.8
Impact	4.93	0.279	4.18	0.001	3.37	0.221	1.54	0.000	14.8
Liberator	6.06	0.002	4.33	0.000	3.47	0.058	1.98	0.107	18.1
Limousine	4.36	0.002	3.42	0.421	3.33	0.335	2.56	0.000	14.4
Midnight	5.39	0.535	4.09	0.003	3.18	0.991	2.44	0.000	17.3
Nugget	3.49	0.000	3.46	0.519	3.03	0.335	2.70	0.000	12.2
NuGlade	5.14	0.766	4.01	0.024	3.84	0.000	2.46	0.000	13.7
Odyssey	5.09	0.623	4.49	0.000	4.07	0.000	2.54	0.000	12.7
QuantumLeap	5.11	0.688	4.18	0.001	3.50	0.039	2.30	0.000	14.9
Rambo	4.75	0.081	4.18	0.001	3.35	0.273	2.44	0.000	14.3
Rugby II	4.77	0.096	4.45	0.000	3.16	0.888	1.39	0.000	15.6
Total Eclipse	4.29	0.001	3.75	0.418	2.75	0.006	2.25	0.000	15.9
Touchdown	5.31	0.765	3.65	0.812	3.85	0.000	4.80	0.000	14.8

*Prob. = Probability that the variety mean is not significantly different from the variety listed at the top of the table. For example, a value of 0.050 or less would indicate significance at the 5% level of probability. Data were analyzed with LSD using pair-wise comparisons, based on individual degrees of freedom.

Table 3. Morphological characteristics of Kentucky bluegrass (*Poa pratensis* L.) cultivars at reproductive maturity, near Rathdrum, ID, in 1999 and 2000. Missing values indicate varieties not tested in a given year.

Variety	Second leaf length (cm)			Second leaf width (mm)			Length-to-width ratio of second subtending leaf (cm cm ⁻¹)		
	1999 prob.	2000 prob.	1999 prob.	2000 prob.	1999 prob.	2000 prob.	1999 prob.	2000 prob.	
Awesome	9.03	7.48	3.57	1.88	26.9	44.4			
Perfection	9.98	0.005	8.02	0.038	4.01	0.005	1.78	0.663	25.6
Barrister	6.77	0.000	7.87	0.129	3.77	0.208	2.67	0.001	0.335
Tsunami	7.31	0.000	8.00	0.046	4.50	0.000	2.69	0.000	18.7
Nu Destiny	7.71	0.000	7.17	0.235	4.14	0.000	2.76	0.000	17.1
Beyond	8.37	0.053	7.72	0.355	3.51	0.685	2.13	0.285	19.4
Absolute	8.57	0.178	7.57	0.723	5.08	0.000	2.70	0.000	24.9
Arcadia	8.35	0.044	7.53	0.837	4.90	0.000	2.69	0.000	17.1
Award	8.82	0.532	7.89	0.112	3.83	0.099	2.45	0.013	17.4
Baron	6.70	0.000	5.87	0.000	5.31	0.000	3.08	0.000	23.9
Blacksburg	7.29	0.000	6.49	0.002	4.17	0.000	3.20	0.000	13.4
Bluemoon	8.70	0.334	6.90	0.025	3.70	0.424	1.76	0.614	18.0
Chicago 2			4.93	0.000			2.09	0.374	24.7
Freedom 2	7.26	0.000	5.81	0.000	3.88	0.049	2.45	0.013	19.5
Glade	6.84	0.000	6.81	0.035	3.74	0.291	2.65	0.006	19.2
Impact	8.68	0.303	7.79	0.227	3.67	0.516	1.72	0.493	24.6
Liberator	8.49	0.112	7.98	0.052	3.75	0.245	1.97	0.711	23.5
Limousine	6.05	0.000	5.84	0.000	3.15	0.007	2.71	0.003	20.7
Midnight	7.42	0.000	7.74	0.279	3.74	0.287	2.65	0.000	20.3
Nugget	5.51	0.000	5.85	0.000	3.28	0.067	2.64	0.007	18.1
NuGrade	8.17	0.011	8.46	0.000	3.82	0.108	2.80	0.000	22.0
Odyssey	8.30	0.032	9.12	0.000	4.48	0.000	2.70	0.000	19.3
QuantumLeap	7.91	0.001	7.93	0.081	3.80	0.150	2.30	0.068	21.5
Rambo	7.88	0.001	7.78	0.238	3.76	0.237	3.44	0.000	21.8
Rugby II	8.03	0.003	8.45	0.000	3.29	0.075	1.51	0.103	25.6
Total Eclipse	7.10	0.000	7.49	0.951	2.78	0.000	2.33	0.052	27.2
Touchdown	7.38	0.000	7.53	0.879	4.54	0.000	5.80	0.000	17.9

*Prob. = Probability that the variety mean is not significantly different from the variety listed at the top of the table. For example, a value of 0.050 or less would indicate significance at the 5% level of probability. Data were analyzed with ANOVA and means were separated with LSD using pairwise comparisons, based on individual degrees of freedom.

Table 4. Morphological characteristics of Kentucky bluegrass (*Poa pratensis* L.) cultivars at reproductive maturity, near Rathdrum, ID, in 1999 and 2000. Missing values indicate varieties not tested in a given year.

Variety	Panicle length of lowest internode (cm)			Panicle length minus the lowest internode (cm)			Internode length below the panicle node (cm)		
	1999		prob.	1999		prob.	1999		prob.
	1999	prob.	2000	prob.	2000	prob.	1999	prob.	2000
Awesome	1.96		1.54		6.56		5.77		30.1
Perfection	2.21	0.000	1.66	0.002	7.46	0.000	5.95	0.110	30.3
Barnister	1.90	0.210	1.58	0.326	6.16	0.018	6.13	0.001	29.1
Tsunami	2.04	0.104	1.51	0.403	6.86	0.083	5.93	0.160	29.0
Nu Destiny	2.34	0.000	1.87	0.000	7.81	0.000	7.12	0.000	38.1
Beyond	1.91	0.279	1.57	0.490	6.40	0.324	5.66	0.323	27.3
Absolute	2.00	0.361	1.32	0.000	6.30	0.117	5.37	0.000	28.8
Arcadia	2.17	0.000	1.51	0.531	6.94	0.025	5.62	0.179	31.2
Award	2.12	0.001	1.53	0.884	6.90	0.047	5.80	0.822	30.3
Baron	2.07	0.030	1.56	0.692	7.14	0.001	5.83	0.656	26.5
Blacksburg	1.97	0.892	1.33	0.000	6.46	0.528	5.34	0.001	34.8
Bluemoon	2.07	0.026	1.53	0.792	6.96	0.020	5.75	0.876	28.1
Chicago 2			1.29	0.000			4.60	0.000	
Freedom 2	1.88	0.128	1.28	0.000	6.13	0.011	5.11	0.000	29.7
Glade	1.98	0.611	1.94	0.000	7.14	0.001	6.96	0.000	30.5
Impact	1.84	0.015	1.59	0.188	6.47	0.561	5.81	0.713	28.1
Liberator	1.94	0.735	1.51	0.531	6.88	0.059	5.61	0.153	28.6
Limousine	1.81	0.002	1.42	0.016	5.74	0.000	4.62	0.000	30.8
Midnight	1.95	0.892	1.55	0.667	6.22	0.040	5.18	0.000	28.9
Nugget	1.66	0.000	1.54	0.959	5.27	0.000	5.43	0.011	27.9
NuGlade	2.11	0.003	1.46	0.039	7.19	0.000	6.11	0.002	30.7
Odyssey	2.08	0.015	1.68	0.000	7.15	0.001	6.65	0.000	28.1
Quantum Leap	2.05	0.073	1.44	0.016	6.88	0.061	5.75	0.855	30.6
Rambo	1.82	0.004	1.43	0.005	6.39	0.310	5.51	0.015	27.7
Rugby II	1.87	0.063	1.60	0.103	6.35	0.207	5.91	0.194	27.1
Total Eclipse	1.77	0.000	1.52	0.722	5.82	0.000	5.59	0.094	26.7
Touchdown	3.26	0.000	2.36	0.000	8.98	0.000	8.19	0.000	37.3

*Prob. = Probability that the variety mean is not significantly different from the variety listed at the top of the table. For example, a value of 0.050 or less would indicate significance at the 5% level of probability. Data were analyzed with ANOVA and means were separated with LSD using pair-wise comparisons, based on individual degrees of freedom.

Table 5. Morphological characteristics of Kentucky bluegrass (*Poa pratensis* L.) cultivars at reproductive maturity, near Rathdrum, ID, in 1999 and 2000. Missing values indicate varieties not tested in a given year.

Variety	Branches at lowest panicle whorl				Culm length from panicle node to flagleaf collar (cm)				Culm length from crown to flagleaf node (cm)			
	1999		prob.		1999		prob.		1999		prob.	
	1999	prob.	2000	prob.	1999	prob.	2000	prob.	1999	prob.	2000	prob.
Awesome	4.02		3.07		19.4		15.5		12.8		32.8	
Perfection	4.27	0.078	3.56	0.000	18.2	0.063	13.9	0.000	26.8	0.000	31.2	0.014
Barrister	4.30	0.046	3.46	0.000	18.8	0.294	15.3	0.570	12.5	0.723	27.9	0.000
Tsunami	4.22	0.158	3.50	0.000	18.2	0.046	14.8	0.114	13.2	0.646	31.3	0.019
Nu Destiny	4.56	0.000	3.19	0.241	25.1	0.000	15.2	0.457	9.0	0.000	30.0	0.000
Beyond	3.78	0.100	3.18	0.270	17.2	0.000	14.6	0.046	13.1	0.745	33.3	0.494
Absolute	3.90	0.410	3.01	0.581	17.2	0.001	10.7	0.000	24.8	0.000	36.7	0.000
Arcadia	4.35	0.019	3.28	0.041	20.5	0.082	14.2	0.004	9.6	0.000	29.2	0.000
Award	4.25	0.100	3.43	0.001	19.5	0.887	16.5	0.045	19.1	0.000	30.3	0.000
Baron	4.68	0.000	3.70	0.000	14.8	0.000	9.1	0.000	6.4	0.000	25.0	0.000
Blacksburg	4.17	0.290	3.48	0.001	24.2	0.000	16.8	0.032	10.5	0.008	25.3	0.000
Bluemoon	4.03	0.906	3.27	0.059	17.1	0.000	14.8	0.118	9.7	0.000	29.3	0.000
Chicago 2			3.78	0.000			17.6	0.000				
Freedom 2	4.90	0.000	4.13	0.000	20.4	0.141	14.3	0.012	15.5	0.001	24.5	0.000
Glade	4.08	0.638	3.03	0.797	19.2	0.769	15.3	0.735	5.9	0.000	28.5	0.000
Impact	4.00	0.906	3.30	0.026	17.9	0.017	15.0	0.230	10.1	0.001	27.3	0.000
Liberator	3.97	0.724	3.23	0.115	17.7	0.006	13.6	0.000	9.5	0.000	30.0	0.000
Limousine	4.97	0.000	3.93	0.000	21.0	0.014	14.8	0.219	9.4	0.000	23.1	0.000
Midnight	3.98	0.814	2.97	0.294	18.5	0.150	17.1	0.000	17.2	0.000	35.3	0.000
Nugget	3.85	0.239	2.87	0.123	19.0	0.482	13.2	0.000	7.9	0.000	22.9	0.000
NuGlade	4.23	0.126	3.48	0.000	19.5	0.871	12.5	0.000	13.9	0.173	30.6	0.001
Odyssey	4.47	0.002	3.83	0.000	17.3	0.001	11.6	0.000	8.7	0.000	33.6	0.234
QuantumLeap	4.43	0.003	3.38	0.003	19.7	0.631	13.4	0.000	20.5	0.000	28.5	0.000
Rambo	4.13	0.410	3.39	0.002	17.7	0.006	13.5	0.000	11.2	0.059	31.1	0.010
Rugby II	4.02	1.000	3.47	0.000	17.4	0.001	13.2	0.000	10.8	0.021	32.4	0.511
Total Eclipse	3.73	0.043	3.33	0.015	17.2	0.001	14.4	0.022	13.8	0.250	30.7	0.002
Touchdown	3.55	0.001	3.30	0.072	20.8	0.031	14.9	0.283	11.6	0.145	36.9	0.000

*Prob. = Probability that the variety mean is not significantly different from the variety listed at the top of the table. For example, a value of 0.050 or less would indicate significance at the 5% level of probability. Data were analyzed with ANOVA and means were separated with LSD using pair-wise comparisons, based on individual degrees of freedom.

Table 6. Morphological characteristics of Kentucky bluegrass (*Poa pratensis* L.) cultivars at reproductive maturity, near Rathdrum, ID, in 1999 and 2000. Missing values indicate varieties not tested in a given year.

Variety	Panicle fresh weight (g/10 panicles)			Seed length (mm)			Seed width (mm)		
	1999 prob.	2000 prob.	1999 prob.	1999 prob.	2000 prob.	1999 prob.	2000 prob.	1999 prob.	2000 prob.
Awesome	1.57	1.45	3.10	2.80	0.046	0.73	0.65	0.163	0.64
Perfection	2.19	0.000	1.76	0.069	3.04	0.072	2.87	0.70	0.519
Barrister	1.91	0.033	1.98	0.002	2.95	0.000	2.84	0.236	0.549
Tsunami	2.03	0.004	1.80	0.039	3.09	0.678	2.78	0.390	0.107
Nu Destiny	1.65	0.616	2.11	0.000	3.13	0.441	2.97	0.000	0.000
Beyond	1.87	0.037	1.50	0.781	3.14	0.324	2.83	0.496	0.290
Absolute	1.30	0.177	1.85	0.017			3.02	0.000	0.68
Arcadia	2.23	0.001	2.23	0.000	3.14	0.288	2.86	0.083	0.002
Award	1.86	0.070	1.82	0.029	3.10	0.975	2.90	0.005	0.66
Baron	1.76	0.333	2.27	0.000			2.98	0.000	0.76
Blacksburg	2.04	0.003	1.42	0.885			2.49	0.000	0.66
Bluemoon	0.97	0.000	1.53	0.614	3.12	0.611	2.88	0.032	0.65
Chicago 2			1.98	0.002			3.05	0.000	0.63
Freedom 2	1.80	0.150	1.49	0.812			2.96	0.000	0.66
Glade	1.64	0.654	1.80	0.093	3.16	0.223	3.04	0.000	0.69
Impact	1.45	0.453	1.41	0.799	3.01	0.008	2.79	0.711	0.000
Liberator	1.36	0.202	1.55	0.541	3.06	0.236	2.83	0.459	0.613
Limousine	2.33	0.000	1.01	0.037			2.67	0.002	0.59
Midnight	2.61	0.000	1.59	0.412	3.05	0.089	2.87	0.028	0.64
Nugget	0.99	0.000	1.18	0.189	3.22	0.009	3.29	0.000	0.613
NuGlade	1.60	0.856	2.01	0.001	3.16	0.090	2.84	0.336	0.461
Odyssey	1.40	0.395	1.88	0.010	3.15	0.156	2.88	0.018	0.581
Quantum Leap	2.40	0.000	1.99	0.001	3.14	0.372	2.88	0.034	0.080
Rambo	1.11	0.005	1.43	0.892	3.13	0.406	2.81	0.767	0.197
Rugby II	0.92	0.000	1.86	0.015	3.03	0.045	2.94	0.000	0.008
Total Eclipse	2.10	0.001	1.31	0.409	3.09	0.723	2.77	0.267	0.67
Touchdown	1.72	0.419	1.94	0.018			2.92	0.007	0.167

*Prob. = Probability that the variety mean is not significantly different from the variety listed at the top of the table. For example, a value of 0.050 or less would indicate significance at the 5% level of probability. Data were analyzed with ANOVA and means were separated with LSD using pair-wise comparisons, based on individual degrees of freedom.

Table 7. Morphological characteristics of Kentucky bluegrass (*Poa pratensis* L.) cultivars at reproductive maturity, near Rathdrum, ID, in 1999 and 2000. Missing values indicate varieties not tested in a given year.

Variety	Seed length-to-width ratio (cm cm ⁻¹)			Seed weight per 100 seeds (g)			Reproductive maturity rating, 30 May (1-9 scale, 9=early)		
	1999 prob.	2000 prob.	prob.	1999 prob.	2000 prob.	prob.	1999 prob.	2000 prob.	prob.
Awesome	4.31	4.40		0.042	0.035		1.8	4.7	
Perfection	4.39	0.163	4.53	0.050	0.039	0.026	0.726	2.4	0.081
Barister	4.25	0.350	4.51	0.104	0.041	0.727	0.025	2.8	0.009
Tsunami	4.40	0.120	4.49	0.193	0.045	0.054	0.032	0.000	2.6
Nu Destiny	4.37	0.265	4.33	0.385	0.046	0.022	0.042	0.000	5.2
Beyond	4.46	0.012	4.52	0.089	0.043	0.491	0.033	0.057	1.9
Absolute			4.50	0.137		0.040	0.000	5.2	0.000
Arcadia	4.49	0.002	4.42	0.773	0.045	0.078	0.035	0.857	3.4
Award	4.53	0.000	4.50	0.136	0.038	0.004	0.034	0.098	2.1
Baron			3.99	0.000		0.047	0.000	7.2	0.000
Blacksburg			3.83	0.000		0.034	0.290	5.2	0.000
Bluemoon	4.53	0.000	4.59	0.006	0.039	0.042	0.033	0.005	1.8
Chicago 2			4.47	0.304		0.046	0.000		1.000
Freedom 2			4.55	0.029		0.031	0.000	4.6	0.000
Glade	4.31	0.946	4.47	0.398	0.042	0.861	0.037	0.110	5.2
Impact	4.23	0.213	4.40	0.991	0.036	0.000	0.032	0.002	2.4
Liberator	4.46	0.013	4.39	0.894	0.036	0.000	0.032	0.000	2.2
Limousine			4.60	0.020		0.028	0.000	6.4	0.000
Midnight	4.39	0.151	4.43	0.547	0.040	0.236	0.036	0.265	2.6
Nugget	4.45	0.054	4.67	0.002	0.050	0.000	0.048	0.000	7.1
NuGlade	4.50	0.001	4.49	0.173	0.038	0.016	0.036	0.241	2.7
Odyssey	4.67	0.000	4.57	0.015	0.035	0.000	0.032	0.002	2.4
QuantumLeap	4.58	0.000	4.37	0.667	0.036	0.000	0.038	0.002	2.8
Rambo	4.49	0.003	4.53	0.059	0.040	0.127	0.032	0.002	2.0
Rugby II	4.38	0.247	4.39	0.917	0.040	0.158	0.034	0.289	2.0
Total Eclipse	4.45	0.020	4.45	0.427	0.042	0.788	0.030	0.000	2.1
Touchdown			4.07	0.000		0.046	0.000	9.0	0.000

*Prob. = Probability that the variety mean is not significantly different from the variety listed at the top of the table. For example, a value of 0.050 or less would indicate significance at the 5% level of probability. Data were analyzed with ANOVA and means were separated with LSD using pair-wise comparisons, based on individual degrees of freedom.

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE

EXHIBIT E
STATEMENT OF THE BASIS OF OWNERSHIP

1. NAME OF APPLICANT(S)	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER	3. VARIETY NAME
J. R. Simplot Company	J-1420	Awesome
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country) 5300 West Riverbend Avenue Post Falls, ID 83854	5. TELEPHONE (Include area code) (208) 773-7581	6. FAX (Include area code) (208) 773-4846
	7. PVPO NUMBER	# 2 0 0 3 0 0 0 9

8. Does the applicant own all rights to the variety? Mark an "X" in the appropriate block. If no, please explain.

YES

NO

9. Is the applicant (individual or company) a U.S. national or a U.S. based company? If no, give name of country.

YES

NO

10. Is the applicant the original owner? YES NO If no, please answer one of the following:

a. If the original rights to variety were owned by individual(s), is (are) the original owner(s) a U.S. National(s)?

YES NO If no, give name of country

b. If the original rights to variety were owned by a company(ies), is (are) the original owner(s) a U.S. based company?

YES NO If no, give name of country

11. Additional explanation on ownership (Trace ownership from original breeder to current owner. Use the reverse for extra space if needed):

PLEASE NOTE:

Plant variety protection can only be afforded to the owners (not licensees) who meet the following criteria:

1. If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.
2. If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.
3. If the applicant is an owner who is not the original owner, both the original owner and the applicant must meet one of the above criteria.

The original breeder/owner may be the individual or company who directed the final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definitions.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 0.1 hour per response, including the time for reviewing the instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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